

Chemistry 1212K Honors Course Syllabus Spring 2017

Prerequisite: *Chemistry 1211K, preferably with a grade of C or better.*

Text: Chemistry: A Molecular Approach, 4th Edition by Tro, with Complete Student Solutions Manual.

Computer: Computer and web access is required. If you do not own a computer, the web assignments may be completed at one of the many computer rooms on campus.

Required Laboratory Materials: 1) The laboratory manual which will be provided at the first laboratory meeting, 2) Laboratory Notebook with a stitched binding, (not spiral, rubber cemented, or looseleaf), 3) Safety glasses or goggles.

Instructor: Dr. Davon Kennedy
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Phone: (404) 413-5530
Office: 314 Petit Science Center
Office Hours: tbd
Lecture: MWF 12:00-12:50 p.m., Room 608 Classroom South

Grading Scheme: The lecture grade is 75% and the laboratory grade is 25% of the overall course grade. Laboratory sections are under the instruction of other faculty who will report the laboratory grade to me. One letter grade will be recorded for the overall four credit hour course. Letter grades are assigned on the following scale which is **approximate and may vary slightly:**

Above 93% = A	3 of 4 tests	=	200 points
89% - 92% = A-	Quizzes	=	135 points
85% - 88% = B+	homework-Online	=	65 points
78% - 84% = B	Final Exam	=	200 points
75% - 77% = B-	<u>Lab Grade</u>	=	<u>200 points</u>
71% - 74% = C+	Total	=	800 points
62% - 70% = C			
58% - 61% = C-			
43% - 57% = D			
below 43% = F			

Examinations: There will be four 67-point lecture examinations. The best 3 out of 4 will be used. **No make-up examinations will be given.** Please do not ask! Should you miss an examination, it would be recorded as a zero. There will be 7 in class quizzes worth 20 points each worth a total of **135 points-plus 5 bonus pts- equivalent to 2 exams.** There will be Mastering General Chemistry online homework assignment at the end of each chapter worth a total of **65 points- equivalent to 1 exam.** **A comprehensive standardized (nationally normalized) final examination covering one full year of general chemistry will count 25% of the course grade.** The final examination must be taken, and certain minimum laboratory requirements must be met in order to receive a passing grade in the course. A student will not be excused for missing examinations for any reason.. If such substitutions are inadequate, causing an undue hardship, then a hardship withdrawal (WH) should be sought from the Dean of Students. Partial credit may be given for correct set-up of numerical problems on quizzes except for those questions where only the final answer is to be given. However, numerical answers expressed with the proper number of significant figures and units are expected.

Grading and Exam Policies: **University ID will be requested for any exam** in this class. Failure to provide proper ID will result in a student having to leave the exam. ***You must show detailed work for numerical problems. Not turning in the written work will result in loss of credit for the computer assigned grade.***

During any exam or quiz we reserve the right to assign seating.

WF Policy: The University requires that faculty members must, on a date after the mid-point of the course to be set by the Provost (or his designee)

1. We give a WF to all those students who are on their rolls but no longer taking the class and report the last day the student attended or turned in an assignment.

Week Beginning	Monday	Wednesday	Friday	Chapter(s)
1/8	Lecture	Lecture	Lecture	11
1/15	HOLIDAY	Lecture-Q-1	Lecture	12
1/22	Lecture	Lecture	Lecture-Q2	13
1/29	Lecture	Exam I	Lecture	13
2/5	Lecture	Lecture	Lecture-Q3	14
2/12	Lecture	Lecture	Lecture	14
2/19	Lecture-Q4	Lecture	Exam II	14, 15
2/26	Lecture**	Lecture	Lecture	15
3/5	Lecture	Lecture-Q5	Lecture	15, 16
3/12	<i>Spring</i>	<i>Break</i>		
3/19	Lecture	Lecture-Q6	Lecture	16, 17
3/26	EXAM III	Lecture	Lecture	18
4/2	Lecture	Lecture	Lecture-Q7	18
4/9	Lecture	Lecture	Lecture	19
4/16	Lecture-Q8	Lecture	EXAM IV	19
4/23	REVIEW		FINAL****	

**** Tuesday, February 27th - last day to drop with a "W"**

****** FINAL EXAM, April 30th, 10:45-1:15 PM (ACS standardized test for the YEAR!!)**

Last day of classes: April 23th

Cell Phones and Beepers: *In consideration of your classmates, turn off sound alerts during every lecture. All cell phones must be turned off and out of sight during any examinations and failure to do so will result in a ZERO for that exam. No I-Pods or other listening devices. There will be no exceptions!!*

Electronic Calculators: The use of calculators during examinations is not required, but is strongly encouraged. If you plan to purchase a calculator, a scientific calculator with a tactile keyboard and at least square root, logarithm, exponent capabilities, and memory registers is recommended. It is also recommended that you know how to use all of these functions, including the memory registers. **A programmable or graphing calculator is NOT allowed in this class. A good practical calculator is the TI-30XA SCIENTIFIC or something similar.**

(All problems will be assigned as we go!!)

Class Preparation and Attendance: Chemistry is a highly structured course. Each topic is based on others previously developed. It is very important that students consistently keep up-to-date in their studies and assignments. To fall one class meeting behind is to risk a considerable escalation of the difficulty of subsequent assignments. Thus, you should:

1. Review and study previous assignments, especially the most recent and those that have been imperfectly understood.
2. Complete the reading assignments for the next class, or at least immediately after topics come up in lecture/recitation.
3. Complete problem assignments on time.

Students are expected to attend all classes and laboratories and are responsible for on-time completion of all assignments regardless of the reason for any absences!!

Chemistry Department Student Conduct and Integrity Policy: The *Georgia State University Policy on Academic Honesty* is in force in this course, including but not necessarily limited to infractions in the areas of Plagiarism, Cheating on Examinations, Unauthorized Collaboration, Falsification, and Multiple Submissions. The university's policy is published in *On Campus: The Student Handbook*, available to all members of the university community. Therefore, all examinations taken must represent your individual, unaided efforts. To receive or offer information during an examination is cheating. The use of unauthorized supplementary materials during examinations is also cheating. All laboratory work performed during the lab portion of a course must reflect your individual effort. Only original data obtained by your own in-lab experimentation are permitted to be used, except when specifically authorized by your laboratory professor. Data from supplementary sources (handbooks, reference literature, etc.) Must be clearly referenced (titled, author, volume, page(s), etc.) Falsification or destruction of data constitutes cheating. Conduct or actions that disrupt class or examination periods or falsification of information related to chemistry courses by any student will be taken as violation of the policies of the Board of Regents of the University System of Georgia and the GSU Student Code of Conduct, Section 6.0. Any suspected offenses may be referred to the Department Chair of the Dean of Students for appropriate disciplinary action.

Cancellation of Classes: Official closure of the university is determined by the university administration. This sometimes occurs due to inclement weather; notification is by broadcast on local radio and television stations. Should closure result in cancellation of chemistry classes or examination periods, resumption of the missed activities would occur at the next regular class period when the university reopens or as determined by the course instructor. Should a professor be unable to meet a class for reasons other than as noted above, another professor would normally meet the class as scheduled. Be hereby advised, however, that on rare occasions conditions could require cancellation of class or examination periods. In such cases, there would be official notification to the class effected. Should notification be through posted notices in the classroom or other means, the student has the final responsibility of confirming the authenticity of the cancellation through the Chemistry Department Office, Room 540 GCB (call 404/413/5497).

Class Assignments and Syllabus: This syllabus provides a general plan for the course; deviations may be necessary. Should this occur, the instructor will make appropriate announcements in class. The best way to learn chemistry is to work lots of problems. Consequently, a minimal number of review questions and exercises are suggested in this syllabus. These are designed for you to test your understanding of the material studied, and to give an indication of the level of understanding we expect of you. The answers and methods of solution are given in the *Complete Solutions Manual* which you should have. Assigned review questions and exercises will not be taken up and graded. We hope that you will have time to work more than those suggested. You should work with the problems until you are able to solve them without reference to notes or text. Definitions must be learned, but to define new terms is only the first step. You must learn to work with new concepts, units and principles. These are identified by boldface type and are often the subject of end-of-chapter questions or exercises. Exercises assigned assume mastery of the definitions. If problem solving is difficult for you, a helpful book is *Programmed Problem Solving for First Year Chemistry* by A. B. Loebel. This book is often available in the bookstore.